

U.S. National Phase of PCT/EP2003/007841

Amendments to the Abstract:

ABSTRACT

Please replace the abstract that appears on page 15 of the specification with the following revised abstract which is submitted on a separate sheet.

Abstract

The invention relates to a vibration detector for determining and/or monitoring a predetermined fill level in a container. The detector includes an oscillatable unit, a driver/receiver unit and an evaluation unit. The vibration detector can, additionally, be used as a viscosity sensor or as a density sensor. For providing a multivariable sensor, a microprocessor is provided in the oscillation circuit formed of oscillatable unit and feedback electronics. The microprocessor corrects the phase of the feedback electronics over a predetermined frequency bandwidth in such a way that the sum of the phases of the feedback electronics and the microprocessor follows a predetermined function $f(v)$.

[(Fig. 1)]